

4/15/97 08/476667

attachment to
Final Rpt

=> s glutamine synthetase and clon?

7479 GLUTAMINE

2195 SYNTHETASE

131 GLUTAMINE SYNTHETASE

(GLUTAMINE(W) SYNTHETASE)

15498 CLON?

L1 89 GLUTAMINE SYNTHETASE AND CLON?

=> s l1 and probe?

65836 PROBE?

L2 68 L1 AND PROBE?

=> s l2 and vector?

56913 VECTOR?

L3 65 L2 AND VECTOR?

=> d 13,1-65

1. 5,610,286, Mar. 11, 1997, DNA's encoding natural killer cell enhancing factor; Hungyi Shau, et al., 536/23.5; 435/69.6; 530/380 [IMAGE AVAILABLE]

2. 5,605,814, Feb. 25, 1997, DNA encoding human prostaglandin receptor EP2; Mark Abramovitz, et al., 435/69.1, 252.3, 254.11, 320.1, 366, 369, 372; 536/23.5 [IMAGE AVAILABLE]

3. 5,605,690, Feb. 25, 1997, Methods of lowering active TNF-.alpha. levels in mammals using tumor necrosis factor receptor; Cindy A. Jacobs, et al., 424/134.1; 435/69.7; 514/12, 825; 530/350, 387.3, 866, 868 [IMAGE AVAILABLE]

4. 5,604,115, Feb. 18, 1997, Liver enriched transcription factor; Frances M. Sladek, et al., 435/69.1, 252.3, 254.11, 320.1, 325, 348; 536/23.5 [IMAGE AVAILABLE]

5. 5,595,896, Jan. 21, 1997, Expression of heterologous genes in transgenic plants and plant cells using plant asparagine synthetase promoters; Gloria M. Coruzzi, et al., 435/172.3, 69.1; 800/205 [IMAGE AVAILABLE]

6. 5,591,639, Jan. 7, 1997, Recombinant DNA expression **vectors**; Christopher R. Bebbington, 435/320.1, 172.3; 536/24.1, 24.2 [IMAGE AVAILABLE]

7. 5,591,630, Jan. 7, 1997, Monoclonal antibodies that bind interleukin-15 receptors; Dirk M. Anderson, et al., 435/331, 334; 530/388.22 [IMAGE AVAILABLE]

8. 5,589,612, Dec. 31, 1996, Virus resistant plants transformed with a PVY protease gene; Joseph M. Jilka, et al., 800/205; 435/69.1, 172.3, 252.3; 536/23.2, 23.72, 24.1 [IMAGE AVAILABLE]

9. 5,589,610, Dec. 31, 1996, Stamen-specific promoters from corn; Marc De Beuckeleer, et al., 800/205; 435/172.3, 320.1, 412, 414, 419; 536/22.1, 23.6, 24.1, 24.3, 24.5; 800/250, DIG.56; 935/6, 30, 35 [IMAGE AVAILABLE]

10. 5,589,374, Dec. 31, 1996, Diabetogene rad: a type II diabetes specific gene; C. Ronald Kahn, et al., 435/69.1, 252.3, 320.1; 536/23.2, 23.5 [IMAGE AVAILABLE]

11. 5,580,723, Dec. 3, 1996, Method for identifying active domains and amino acid residues in polypeptides and hormone variants; James A. Wells, et al., 435/6, 7.1, 69.1, 71.1; 436/501; 530/387.1, 388.1, 399, 806, 808; 935/10, 11, 12, 13, 14, 15, 76, 77, 82 [IMAGE AVAILABLE]
12. 5,578,461, Nov. 26, 1996, Gene manipulation and expression using genomic elements; Stephen Sherwin, et al., 435/69.1, 172.3, 244, 320.1; 536/23.1, 24.1; 935/28, 33, 55 [IMAGE AVAILABLE]
13. 5,567,862, Oct. 22, 1996, Synthetic insecticidal crystal protein gene; Michael J. Adang, et al., 800/205; 435/69.1, 418; 800/250 [IMAGE AVAILABLE]
14. 5,567,600, Oct. 22, 1996, Synthetic insecticidal crystal protein gene; Michael J. Adang, et al., 536/23.71; 435/69.1, 172.3 [IMAGE AVAILABLE]
15. 5,561,236, Oct. 1, 1996, Genetically engineered plant cells and plants exhibiting resistance to **glutamine** **synthetase** inhibitors, DNA fragments and recombinants for use in the production of said cells and plants; Jan Leemans, et al., 800/205; 435/172.3, 418; 536/23.1, 23.2, 23.7; 935/75 [IMAGE AVAILABLE]
16. 5,561,053, Oct. 1, 1996, Method for selecting high-expressing host cells; Craig W. Crowley, 435/69.1, 172.3, 320.1, 358; 536/23.2 [IMAGE AVAILABLE]
17. 5,559,220, Sep. 24, 1996, Gene encoding acetyl-coenzyme A carboxylase; Paul G. Roessler, et al., 536/23.6; 435/69.1, 134, 172.3, 197, 252.3, 257.2, 320.1, 418; 536/23.2 [IMAGE AVAILABLE]
18. 5,550,318, Aug. 27, 1996, Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof; Thomas R. Adams, et al., 800/205; 435/172.1, 172.3, 412, 413; 800/DIG.56 [IMAGE AVAILABLE]
19. 5,545,723, Aug. 13, 1996, Muteins of IFN-.beta.; Susan E. Goelz, et al., 424/85.6; 435/69.51, 252.3, 320.1; 514/12; 530/351; 536/23.52 [IMAGE AVAILABLE]
20. 5,545,545, Aug. 13, 1996, Lysine-insensitive maize dihydrodipicolinic acid synthase; Burle G. Gengenbach, et al., 435/172.3, 412; 530/376; 536/23.6; 800/205, DIG.56, DIG.70 [IMAGE AVAILABLE]
21. 5,545,405, Aug. 13, 1996, Method for treating a mammal suffering from cancer with a cho-glycosylated antibody; Martin J. Page, 424/133.1, 130.1, 143.1, 172.1, 174.1; 435/70.3, 71.1, 320.1; 530/387.1, 388.1, 388.22, 388.73, 388.75, 389.1, 389.6, 389.7 [IMAGE AVAILABLE]
22. 5,545,404, Aug. 13, 1996, Method for treating a mammal suffering from a T-cell medicated disorder with a CHO-Glycosylated antibody; Martin J. Page, 424/133.1, 130.1, 143.1, 173.1, 174.1; 435/70.3, 71.1, 320.1; 530/387.1, 388.22, 388.73, 388.75, 388.8, 389.1, 389.6, 389.7 [IMAGE AVAILABLE]
23. 5,545,403, Aug. 13, 1996, Method for treating a mammal by administering a CHO-glycosylated antibody; Martin J. Page, 424/133.1, 130.1, 135.1, 136.1, 138.1, 143.1, 147.1, 150.1, 159.1, 172.1, 174.1;

435/70.3, 71.1, 320.1; 530/387.1, 388.1, 388.22, 388.73, 388.75, 389.1, 389.6, 389.7 [IMAGE AVAILABLE]

24. 5,541,310, Jul. 30, 1996, Herbicide resistant plants; Eric R. Ward, et al., 536/23.6; 435/252.3, 320.1, 348, 418 [IMAGE AVAILABLE]

25. 5,516,652, May 14, 1996, DNA encoding prostaglandin receptor IP; Mark Abramovitz, et al., 435/69.1, 252.3, 254.11, 320.1, 365; 530/350; 536/23.1 [IMAGE AVAILABLE]

26. 5,503,999, Apr. 2, 1996, Virus resistant plants; Joseph M. Jilka, et al., 435/172.3, 69.1; 536/23.1, 23.72, 24.1; 800/205, DIG.40, DIG.42, DIG.43, DIG.44 [IMAGE AVAILABLE]

27. 5,500,361, Mar. 19, 1996, .beta.-ketoacyl-ACP synthetase II genes from plants; Anthony J. Kinney, 435/172.3, 69.1, 71.1; 536/23.6; 800/205, 250, 255, DIG.69 [IMAGE AVAILABLE]

28. 5,496,934, Mar. 5, 1996, Nucleic acids encoding a cellulose binding domain; Oded Shoseyov, et al., 536/23.7; 435/252.3, 320.1; 536/23.1, 24.33 [IMAGE AVAILABLE]

29. 5,495,007, Feb. 27, 1996, Phloem-specific promoter; Gary A. Thompson, et al., 536/24.1; 435/172.3, 320.1; 536/23.6; 800/205; 935/35 [IMAGE AVAILABLE]

30. 5,489,520, Feb. 6, 1996, Process of producing fertile transgenic zeamays plants and progeny comprising a gene encoding phosphinothricin acetyl transferase; Thomas R. Adams, et al., 435/172.3, 172.1; 536/23.7; 800/205, DIG.56 [IMAGE AVAILABLE]

31. 5,468,845, Nov. 21, 1995, Antibodies to osteogenic proteins; Hermann Oppermann, et al., 530/387.9, 350 [IMAGE AVAILABLE]

32. 5,464,937, Nov. 7, 1995, Type II Interleukin-1 receptors; John E. Sims, et al., 530/350 [IMAGE AVAILABLE]

33. 5,457,182, Oct. 10, 1995, FK-506 cytosolic binding protein, FKBP12.6; Gregory J. Wiederrecht, et al., 530/402; 435/7.8, 69.1, 233; 530/350, 413 [IMAGE AVAILABLE]

34. 5,447,913, Sep. 5, 1995, Therapeutic uses of bactericidal/permeability-increasing protein dimer products; William S. Ammons, et al., 514/12, 21; 530/350 [IMAGE AVAILABLE]

35. 5,427,940, Jun. 27, 1995, Engineered cells producing insulin in response to glucose; Christopher B. Newgard, 435/366; 424/520; 435/4, 6, 69.1, 172.1, 172.2, 172.3, 320.1; 530/303, 350, 389.2, 397 [IMAGE AVAILABLE]

36. 5,420,247, May 30, 1995, Leukemia inhibitory factor receptors and fusion proteins; David P. Gearing, et al., 530/350, 387.3, 388.23, 391.1, 402; 536/23.51 [IMAGE AVAILABLE]

37. 5,395,760, Mar. 7, 1995, DNA encoding tumor necrosis factor-.alpha. and -.beta. receptors; Craig A. Smith, et al., 435/365; 424/85.1; 435/69.4, 172.3; 530/351, 388.23; 536/23.51 [IMAGE AVAILABLE]

38. 5,391,725, Feb. 21, 1995, Organ-specific plant promoter sequences; Gloria M. Coruzzi, et al., 536/24.1; 435/69.1, 172.3, 320.1; 800/205; 935/35, 36 [IMAGE AVAILABLE]
39. 5,380,831, Jan. 10, 1995, Synthetic insecticidal crystal protein gene; Michael J. Adang, et al., 536/23.71; 435/69.1, 172.3; 800/205 [IMAGE AVAILABLE]
40. 5,376,567, Dec. 27, 1994, Expression of interferon genes in Chinese hamster ovary cells; Francis P. McCormick, et al., 435/320.1; 424/85.4; 435/69.51, 91.41, 252.3, 358; 536/23.52; 935/23, 56 [IMAGE AVAILABLE]
41. 5,362,865, Nov. 8, 1994, Enhanced expression in plants using non-translated leader sequences; Glenn D. Austin, 536/24.1; 435/172.3, 412, 414, 418, 419; 536/24.5 [IMAGE AVAILABLE]
42. 5,354,557, Oct. 11, 1994, Osteogenic devices; Hermann Oppermann, et al., 424/423, 422, 424, 426 [IMAGE AVAILABLE]
43. 5,350,683, Sep. 27, 1994, DNA encoding type II interleukin-1 receptors; John E. Sims, et al., 435/69.1, 252.3, 320.1; 530/350; 536/23.5 [IMAGE AVAILABLE]
44. 5,344,923, Sep. 6, 1994, Nucleotide sequence encoding for bifunctional enzyme for proline production; Desh P. S. Verma, et al., 536/23.2; 435/172.3; 536/23.6 [IMAGE AVAILABLE]
45. 5,334,529, Aug. 2, 1994, Stably transformed coffee plant cells and plantlets; Tommy L. Adams, et al., 435/418, 419; 800/205; 935/67 [IMAGE AVAILABLE]
46. 5,324,638, Jun. 28, 1994, Brain transcription factor, nucleic acids encoding same and uses thereof; Wufan Tao, et al., 435/69.1; 530/350; 536/23.5 [IMAGE AVAILABLE]
47. 5,304,730, Apr. 19, 1994, Virus resistant plants and method therefore; Edgar C. Lawson, et al., 800/205; 435/172.3; 536/23.6, 23.72; 800/DIG.42; 935/10, 35, 64, 67 [IMAGE AVAILABLE]
48. 5,284,755, Feb. 8, 1994, DNA encoding leukemia inhibitory factor receptors; David P. Gearing, et al., 435/69.1, 69.7, 252.3, 320.1; 536/23.4, 23.5 [IMAGE AVAILABLE]
49. 5,266,683, Nov. 30, 1993, Osteogenic proteins; Hermann Oppermann, et al., 530/326, 327, 328, 350, 395, 840 [IMAGE AVAILABLE]
50. 5,256,558, Oct. 26, 1993, Gene encoding plant asparagine synthetase; Gloria M. Coruzzi, et al., 435/252.33, 172.3, 252.3, 320.1; 536/23.2, 24.1 [IMAGE AVAILABLE]
51. 5,145,777, Sep. 8, 1992, Plant cells resistant to herbicidal **glutamine** **synthetase** inhibitors; Howard M. Goodman, et al., 435/172.3, 69.1, 320.1, 418; 504/206, 319, 320, 322; 536/23.2, 23.6; 800/200, 205, 255; 935/33, 35 [IMAGE AVAILABLE]
52. 5,137,816, Aug. 11, 1992, Rhizobial diagnostic **probes** and rhizobium trifolii nifH promoters; Barry G. Rolfe, et al., 435/172.3,

252.2, 252.3, 320.1, 878; 536/23.6, 23.71; 935/41, 72 [IMAGE AVAILABLE]

53. 5,122,464, Jun. 16, 1992, Method for dominant selection in eucaryotic cells; Richard H. Wilson, et al., 435/172.3, 320.1 [IMAGE AVAILABLE]

54. 5,098,838, Mar. 24, 1992, Expression of wild type and mutant ****glutamine**** ****synthetase**** in foreign hosts; Howard Goodman, et al., 435/183, 252.3, 252.33, 320.1; 536/23.2, 23.6; 935/10, 27, 29, 66, 67, 72, 73 [IMAGE AVAILABLE]

55. 5,098,703, Mar. 24, 1992, Interferon-alpha 76; Michael A. Innis, 424/85.7; 435/69.51, 811; 530/351; 536/23.52 [IMAGE AVAILABLE]

56. 5,043,270, Aug. 27, 1991, Intronic overexpression ****vectors****; John M. Abrams, et al., 435/69.1, 172.3, 320.1, 358; 536/23.2; 23.5; 935/34, 61, 66, 70, 71, 79, 84 [IMAGE AVAILABLE]

57. 5,008,194, Apr. 16, 1991, nifH promoters of Bradyrhizobium; Barry G. Rolfe, et al., 435/172.3, 252.2, 252.3, 320.1; 536/23.6, 24.1; 935/6, 35, 41 [IMAGE AVAILABLE]

58. 5,001,061, Mar. 19, 1991, nifD promoter of Bradyrhizobium; Barry G. Rolfe, et al., 435/172.3, 252.2, 252.3, 320.1; 536/23.1, 23.6, 24.2; 935/6, 35, 41 [IMAGE AVAILABLE]

59. 4,975,374, Dec. 4, 1990, Expression of wild type and mutant ****glutamine**** ****synthetase**** in foreign hosts; Howard Goodman, et al., 435/172.3, 183, 252.3, 252.33; 536/23.2, 23.6; 935/14, 29, 30, 73 [IMAGE AVAILABLE]

60. 4,975,276, Dec. 4, 1990, Interferon-alpha 54; Michael A. Innis, 424/85.7, 85.4; 435/69.51, 811; 530/351 [IMAGE AVAILABLE]

61. 4,973,479, Nov. 27, 1990, Interferon-.alpha.61; Michael A. Innis, 424/85.7, 85.4; 435/69.51, 811; 530/351 [IMAGE AVAILABLE]

62. 4,966,843, Oct. 30, 1990, Expression of interferon genes in Chinese hamster ovary cells; Francis P. McCormick, et al., 435/69.51, 70.1, 70.3, 70.5, 172.1, 172.3, 320.1, 360, 811; 536/23.5, 23.52, 24.1; 935/11, 34, 70 [IMAGE AVAILABLE]

63. 4,956,288, Sep. 11, 1990, Method for producing cells containing stably integrated foreign DNA at a high copy number, the cells produced by this method, and the use of these cells to produce the polypeptides coded for by the foreign DNA; James G. Barsoum, 435/172.3, 69.1, 70.1, 71.1, 172.1, 252.3; 935/16, 33, 52 [IMAGE AVAILABLE]

64. 4,803,165, Feb. 7, 1989, Nif promoter of fast-growing rhizobium japonicum; Edward R. Appelbaum, 435/172.3, 69.1, 252.2, 252.33, 320.1; 536/23.6, 23.7, 23.71, 24.1; 935/29, 30, 41, 56, 64, 67, 72 [IMAGE AVAILABLE]

65. 4,782,022, Nov. 1, 1988, Nitrogen fixation regulator genes; Alfred Puhler, et al., 435/172.3, 252.2, 252.33, 320.1; 536/23.2, 23.6, 23.71, 24.1; 930/200; 935/29, 56, 72 [IMAGE AVAILABLE]

=>